FIG. 1

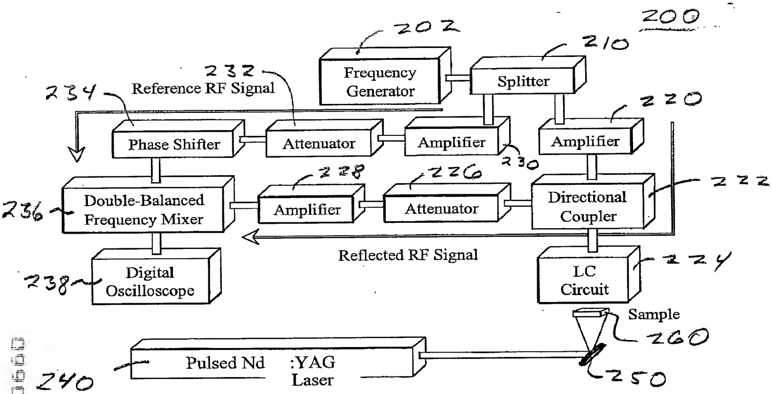

200
202
Frequency Generator
210
Splitter
232
234
Reference RF Signal
Phase Shifter
Attenuator
Amplifier
230
220
Amplifier
228
226
236
Double-Balanced Frequency Mixer
Amplifier
Attenuator
Directional Coupler
222
Reflected RF Signal
238
Digital Oscilloscope
LC Circuit
224
Sample
260
240
Pulsed Nd :YAG Laser
250

FIG. 2

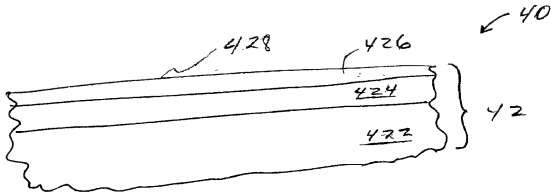


FIG. 3

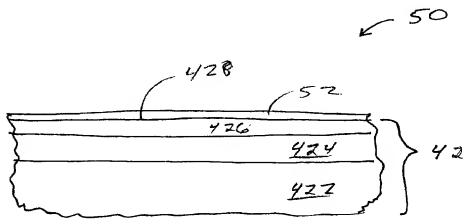


FIG. 4

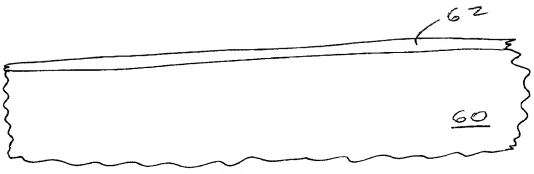


FIG. 5

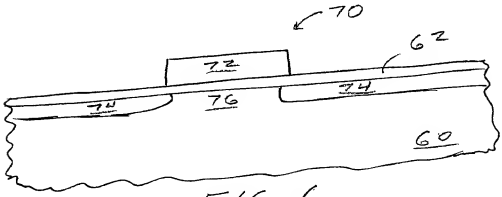


FIG. 6

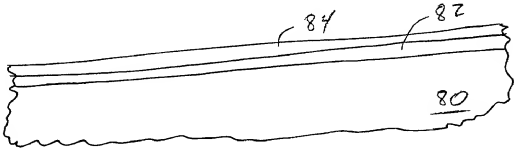


FIG. 7

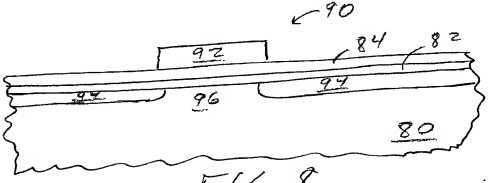


FIG. 8

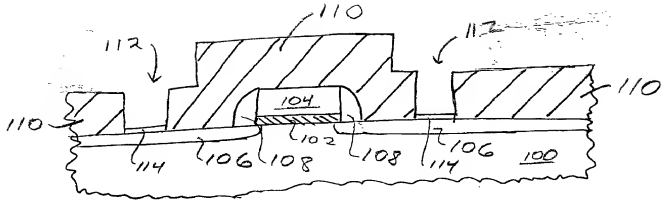


FIG. 9

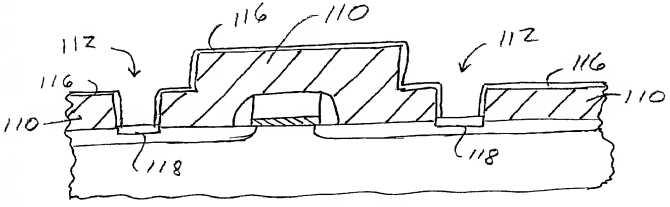


FIG. 10

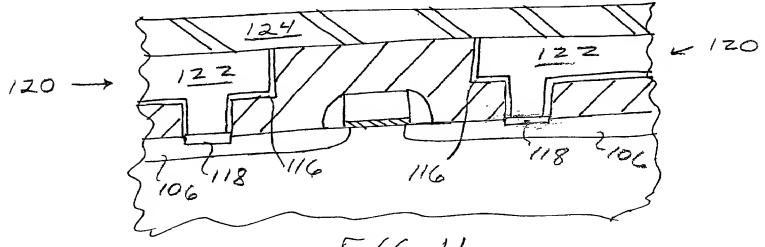


FIG. 11

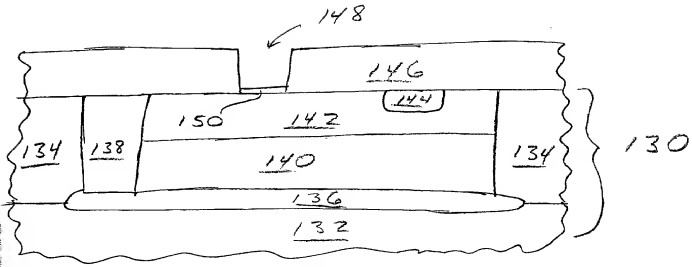


FIG. 12

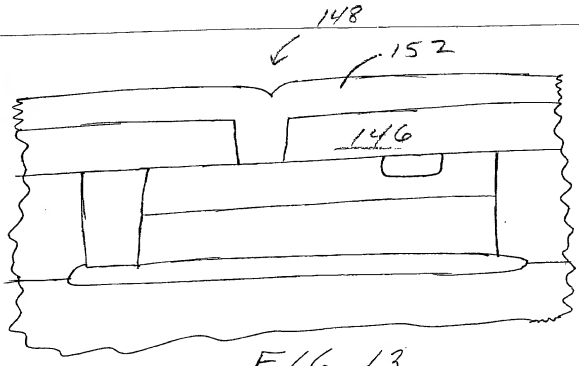


FIG. 13

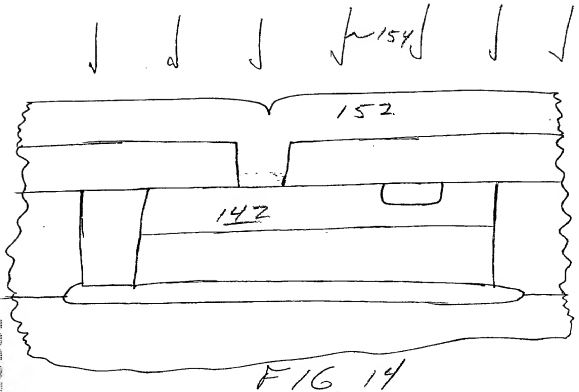


FIG. 14

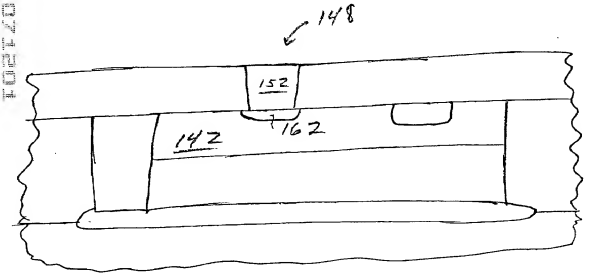
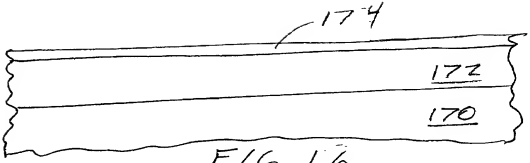
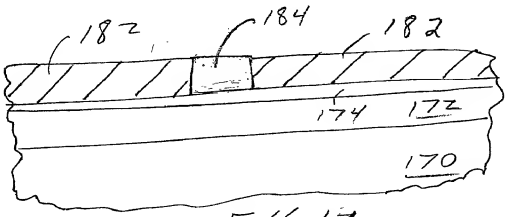


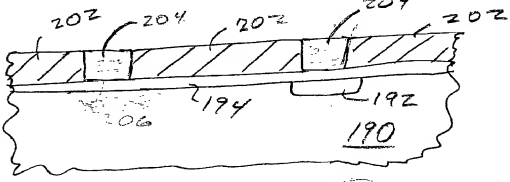
FIG. 15



F16.16



F16.17



F16. 19

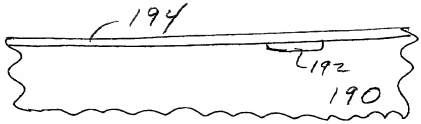


FIG. 18

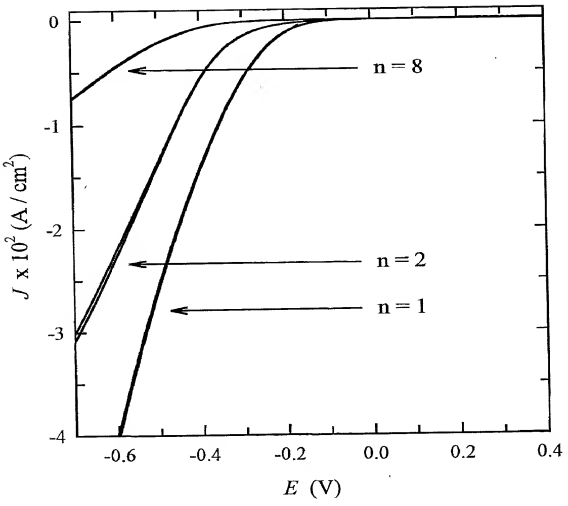


FIG. 20

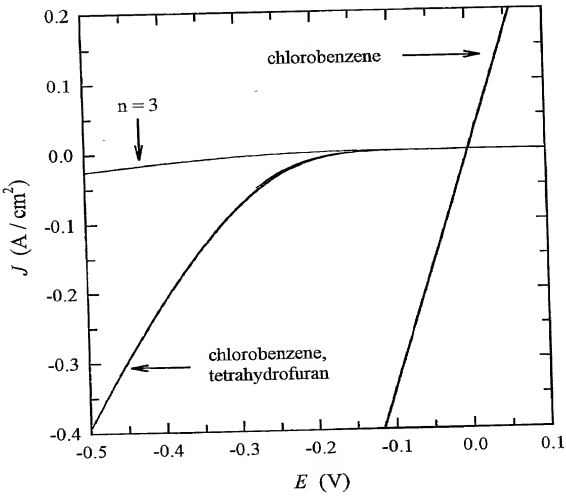

n-Si (111) / C_nH_{2n+1} / Hg
chlorobenzene
n = 3
chlorobenzene,
tetrahydrofuran
J (A / cm²)
E (V)
0.2
0.1
0.0
-0.1
-0.2
-0.3
-0.4
-0.5
-0.4
-0.3
-0.2
-0.1
0.0
0.1

FIG. 21